

# **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

## **Listing of Claims:**

1. – 106. Cancelled

107. (currently amended) A method of generating and using a multimedia bookmark for a position selected within a multimedia file of a multimedia content, comprising:

generating bookmark position information identifying a selected position within said multimedia file;

generating a title or image representing said selected position; ~~and~~

linking said title or image and said bookmark position information to stored profile information for said multimedia file and variations of said multimedia content, wherein said profile information includes an offset and a scale of each of a plurality of multimedia files containing said content with respect to a master file of said multimedia content;

invoking the multimedia bookmark; and

calculating a playback position of a playback file based on said bookmark position information, where said calculating comprises:

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i) $P_p = s \times P_b$	if $o_p = s \times o_b$
ii) $P_p = s \times P_b + ( o_p  +  s \times o_b )$	if $o_p > 0 > s \times o_b$
iii) $P_p = s \times P_b + ( o_p - s \times o_b )$	if $o_p > s \times o_b \geq 0$ or $0 \geq o_p > s \times o_b$
iv) $P_p = s \times P_b - ( o_p  +  s \times o_b )$	if $o_p < 0 < s \times o_b$
v) $P_p = s \times P_b - ( o_p - s \times o_b )$	if $0 \leq o_p < s \times o_b$ or $o_p < s \times o_b \leq 0$ .

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where  $P_p$  is the playback position;

$P_b$  is the bookmarked position;

$o_b$  is an offset of the multimedia file;

$o_p$  is an offset of the playback file; and  
 $s$  is equal to  $s_p/s_b$  where  $s_p$  is a scale of the playback file and  $s_b$  is a scale of the  
multimedia file.

108. (previously presented) The method of claim 107 additionally comprising, prior to said generating position information:

- selecting a multimedia file;
- playing said selected multimedia file; and
- invoking an add-bookmark command.

109. (previously presented) The method of claim 107 wherein said linking includes linking to an offset table containing offset values for cases where frame skipping occurs.

110. (previously presented) The method of claim 109 additionally comprising computing the offset values stored in said offset table by:

- choosing a referential segment;
- aligning the start position of said referential segment in a master file with the start position of said referential segment in a slave file; and
- computing the difference in start times.

111. (previously presented) The method of claim 110 wherein said choosing a referential segment includes using video matching techniques to locate a segment in a video bounded by two specific boundaries.

112. (currently amended) A method of locating a playback position in a multimedia playback file based on a multimedia bookmark generated in connection with a bookmarked multimedia file, said method comprising:

- selecting a multimedia file, referred to as a playback file;
- invoking a multimedia bookmark from which a bookmarked position can be determined, additionally, by using said multimedia bookmark, enabling access to an offset and a scale for

each of said playback file and said bookmarked multimedia file from which said multimedia bookmark was generated;

determining a time scale ratio from said scale for said playback file and said scale for said bookmarked file; and

calculating a playback position based on said bookmarked position, said time scale ratio, said offset for said playback file, and said offset for said bookmarked file;

wherein said calculating comprises:

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i) $P_p = s \times P_b$	if $o_p = s \times o_b$
ii) $P_p = s \times P_b + ( o_p  +  s \times o_b )$	if $o_p > 0 > s \times o_b$
iii) $P_p = s \times P_b + ( o_p - s \times o_b )$	if $o_p > s \times o_b \geq 0$ or $0 \geq o_p > s \times o_b$
iv) $P_p = s \times P_b - ( o_p  +  s \times o_b )$	if $o_p < 0 < s \times o_b$
v) $P_p = s \times P_b - ( o_p - s \times o_b )$	if $0 \leq o_p < s \times o_b$ or $o_p < s \times o_b \leq 0$ .

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where  $P_p$  is the playback position;

$P_b$  is the bookmarked position;

$o_b$  is the offset of the bookmarked file;

$o_p$  is the offset of the playback file; and

$s$  is equal to  $s_p/s_b$  where  $s_p$  is the scale of the playback file and  $s_b$  is the scale of the bookmarked file.

113. (cancelled)

114. (previously presented) The method of claim 112 wherein said enabling access includes enabling access to an offset table containing offset values for cases where frame skipping occurs.

115. (previously presented) The method of claim 114 additionally comprising computing the offset values stored in said offset table by:

choosing a referential segment;

aligning the start position of said referential segment in a master file with the start position of said referential segment in a slave file; and

computing the difference in start times.

116. (previously presented) The method of claim 115 wherein said choosing a referential segment includes using video matching techniques to locate a segment in a video bounded by two specific boundaries.